

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : RICOH CO LTD

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(72)Inventor : YOKOI KENYA

(54) INFORMATION RECORDING METHOD, INFORMATION RECORDER AND INFORMATION PROCESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an information recording method by which sufficient heating and cooling time can be assured with easy pulse control, a predetermined record mark length is obtained without accelerating a light source drive part and high-speed recording is achieved.

SOLUTION: Sufficient heating and quenching are achieved even at high-speed recording by increasing the number of heating pulses Hmp and the number of cooling pulses Cmp by one each time the mark data length is increased by 2T. Further, an erasing pulse E2 or E3 for erasing a record mark which defines record mark length is added, depending on the increase or decrease of the level of the erasing power Pe1, to the erasing region head portion which follows the rearmost cooling pulse Cend. Thus control of the rear edge position corresponding to the mark length is made possible with high accuracy with a simple pulse control using the combination of the rearmost cooling pulse Cend and level setting of the 2nd erasing power Pe2 or the 3rd erasing power Pe3 of the erasing pulse E2 or E3 for the record mark without changing the pattern of each heating pulse Hmp in the multi-pulse train.

